

# Fig. 2 Block Diagram of Synthesiser Assembly, (12)

(Used on the Parts Lists throughout this Appendix) Metal Film Tantalum Tant. Ceramic Cer. PE Polyester Polyester Polystyrene Film PF CF Carbon Film W/WWirewound Electrolytic Elec. Variable Var. Al. Ox. Aluminium Oxide

Key to Component Type
Abbreviations

### PARTS MOUNTED ON OR FORMING PART OF FRONT PANEL

TYPE	PART NO.
METER, DS 48 SIFAM (with VOLTAGE SCALE)	4502-8103.009/4
C.F. SOCKET, 3-pole (BALANCED INPUTS)	0000-3713.006/4
SWITCH, SLIDE D.P.S.T. (dB/dBm SWITCH)	0001-7604.409/-
VERSACON BODY	0000-1681.004/5
VERSACON LOCKING RING (UNBALANCED INPUT)	0000-1672.055/5
RESISTOR, VARIABLE (CAL. ▼ /WIDE) 10k, 1W	0000-7545.270/-
RESISTOR, VARIABLE (CAL. ▼/SELECTIVE) 10k, 1W	0000-7545.270/-
SWITCH, ROTARY (MEAS. RANGE)	0000-7602.469/4
SOCKET, EARTHING	0000-3004.045/4
SWITCH BUTTON (CHECK BATT. and 🕜	
PSE-31 O/P LEVEL)	0000-3705.425/5
SWITCH, MICRO (CHECK BATT. and 🕜	
PSE-31 O/P LEVEL)	0001-0034.176/-
L.E.D., RED (MAINS ON)	0001-0064.036/-
TACHO. GENERATOR (TUNING CONTROL)	OB29~7036.B21/5
SWITCH, SLIDE D.P.D.T. (MEAS./CHARGE/OPF)	0001-0069.439/-
VERSACON BNC ADAPTOR	0000-1674.008/5
KNOB (0/P LEVEL)	0000-7500.383/-
CAP, KNOB (O/P LEVEL)	0000-7500.396/-
KNOB (FINE)	0001-0063.396/-
CAP, KNOB (FINE)	0001-0063.707/-
KNOB (FREQUENCY CONTROL)	0001-0063.422/-
CAP, KNOB (FREQUENCY CONTROL)	0001-0063.710/-
KNOB (MEAS. RANGE)	0001-0063.493/-
CAP, KNOB (MEAS. RANGE)	0001-0063.749/-
KNOB (CAL. ▼ WIOE and SELECTIVE)	0001-0063.354/-
CAP, KNOB (CAL. WWIOE and SELECTIVE)	0001-0063.684/-
SWITCH, SLIGE, O.P.O.T. (USB/OFF/LSB)	0001-0069.439/-

### REAR PANEL

VALUE	RATING	TYPE	PART NO.
		SWITCH, (BATT CHARGER ON/OFF)	0001-7604.409/-
		SOCKET, BNC	0000-7598.696/-
T315mA	25 <b>0</b> V	FUSELINK, BELLING-LEE	
		2080A/0.315A	0001-0020.601/-
		OR	
T630mA	115V	FUSELINK, BELLING-LEE	
		2080A/0.63A	
		FUSEHOLDER, BELLING-LEE	
		L2006A (20m x 5mm)	0000-7602.236/-
		BATTERIES, BEREC	
		NCC400 SIZE D (12 used)	0000-7594.849/-
TlA	BATT.	FUSELINK, ANTI-SURGE	0001-0020.711/-

### COMPLETE CHASSIS ASSEMBLY

REF.	ТҮРВ	PART NO.
A10	ASSEMBLY, TRACKING OSCILLATOR PSE-31	4502-1110.002/2
	Includes ASSEMBLY, P.C.B. A80, PSE-31	4502-1080.006/2
A104	ASSEMBLY, POWER UNIT	4502-I1B9.004/2
	Includes ASSEMBLY, P.C.B. A84, POWER SUPPLY	4502-1084.002/3
A22	ASSEMBLY, PRE-AMPLIFIER	4502-1122.006/3
A23	ASSEMBLY, MIXER 1	4505-1023.004/3
A27	ASSEMBLY, I.F. AMPLIFIER & PROM	4502-1027.001/3
A29	ASSEMBLY, FREQUENCY CONTROL	4505-1029.008/3
A30	ASSEMBLY, CALIBRATION	4502-1030.001/3
A32	ASSEMBLY, DISPLAY	4502-1032.009/3
A33	ASSEMBLY, DIVIDER 1	4502-1033.008/3
A34	ASSEMBLY, DIVIDER 2	4502-1034.007/3
A35	ASSEMBLY, PHASE DETECTOR	4502-1035.006/3
<b>A36</b>	ASSEMBLY, 44.62MHz V.C.D.	4502-1036.005/3
A37	ASSEMBLY, DIVIDER 3	4502-1037.004/3
A3B	ASSEMBLY, 8MHz CRYSTAL OSC	4502-1038.003/3
A39	ASSEMBLY, BUFFER AMP.	4502-1039.002/3
140	ASSEMBLY, SYNTHESISER AMPLIFIER	4502-1040.004/3
A41	ASSEMBLY, 8.02MHz V.C.O.	4502-1041-003/3
A42	ASSEMBLY, 4.01MHz P.L.L.	4502-1042.002/3
A66	ASSEMBLY, 4MHz B/P FILTER UNIT	4502-1166.000/3
	Includes ASSEMBLY, P.C.B. A24	4502-1024.004/3
<b>477</b>	ASSEMBLY, 24Rz FILTER	4502-1077.006/3
\79	ASSEMBLY, MIXER 2	4502-1079.004/3
\81	ASSEMBLY, INTERCONNECTION	4502-1081.005/3
82	ASSEMBLY, MATCHING UNIT	4502-1082.004/3
83	ASSEMBLY, METER AND DEMOOULATOR	4502-1083.003/3

## A81 INTERCONNECTION BOARD

REP.	VALUE	TOL.± %	RATING	ТУРЕ	PART NO.
SK1				SOCKET, OIL 16-WAY	0000-7518.391/-
SK2				SOCKET, EOGE	
				CONNECTOR 10-WAY	0000-7602.317/-
SK3				SOCKET, EDGE CONNECTOR	
				10 + 10-WAY	0000-7602.304/-
sK4				SOCKET, EDGE CONNECTOR	
			:	36-WAY	0000-7602.333/-
SK5				SOCKET, EDGE CONNECTOR	
				36-WAY	0000-7602-294/-
SK6				SOCKET, EDGE CONNECTOR	
				20-WAY	0000-7602.320/-
sĸ7				SDCKET, DIL 16-WAY	0000-7518.391/-
SK8				SDCKET, DIL 16-WAY	0000-7518.391/-
SK10				SDCKET, DIL 16-WAY	0000-7518.391/-
S1				SWITCH, 4-PUSHBUTTON	
				(MODE)	4502-1074.009/4
S2				SWITCH, 3-PUSHBUTTON	
				(BANDWIDTH)	4502-1075.00B/4
<b>s</b> 3				SWITCH, 3-PUSHBUTTON	
				(FREQUENCY CONTROL)	4502-1076.007/4
				CAPS FOR SWITCHES ABOVE	0000-7602.744/-
AB I				P.C.B., INTERCONNECTION	4502-10B1.005/3
RI	12k1	1	0w35 ·	MF	0001-0002.218/-
CI	220 µ		10 <b>v</b>		0001-0041.B42/-
C2	22n		100		0001-0006.416/-

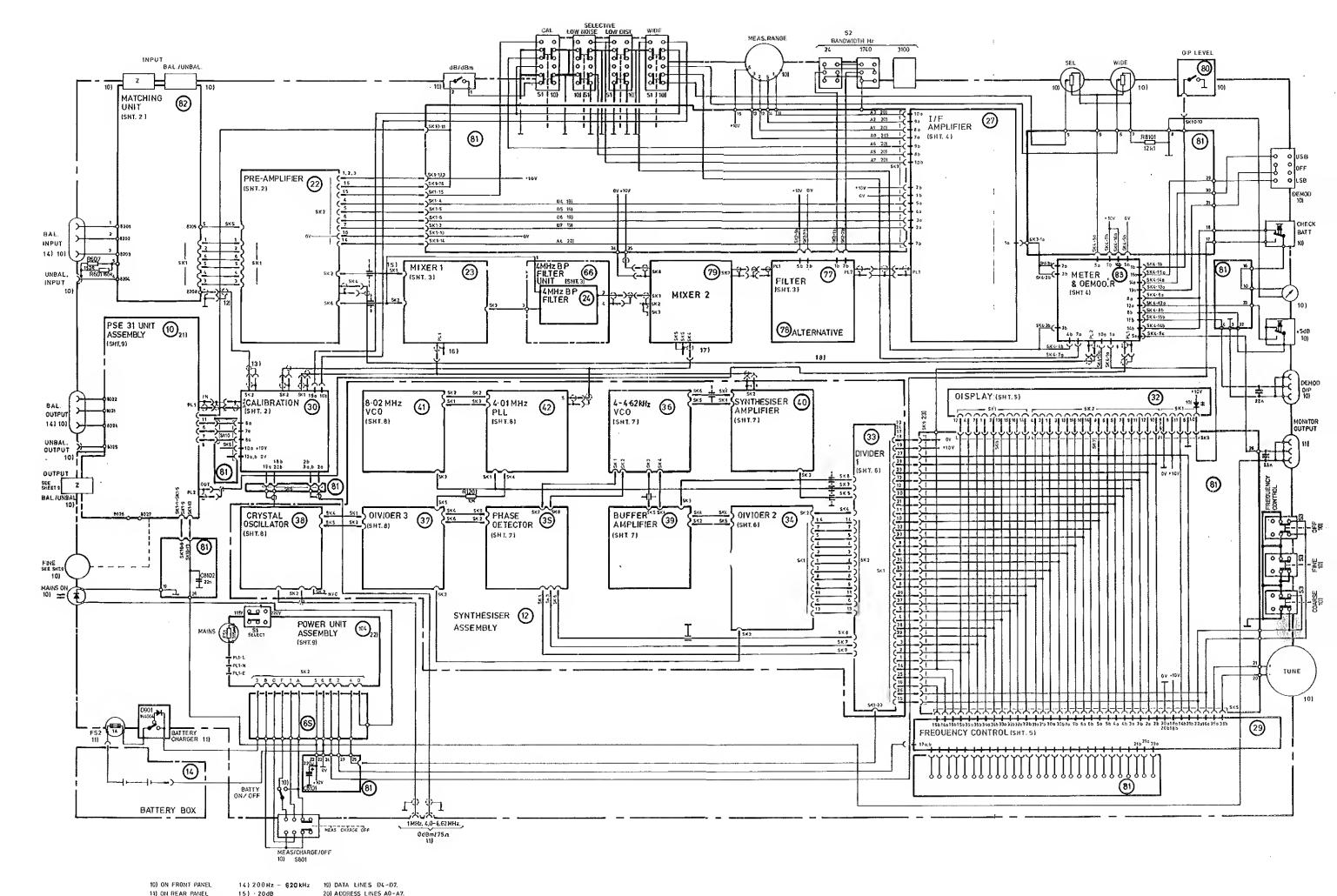
#### CABLE ASSEMBLIES

			TYPE	NO.000		PART NO.
CABLE AS	SEMBLY,	INTERCON	ECTION TO DIS	PLAY 75mm Long	3	4502-1060.013/4
CABLE AS	SEMBLY,	INTERCON	RECTION TO DIS	PLAY 90mm Long	3	4502-1060.026/4
CABLE AS	SEMBLY,	PRE-AMPL	FIER TO INTER	CONNECTION		4502-1062.00B/4
CABLE AS	SEMBLY,	PSE-31 T(	INTERCONNECT	ION		4502-1063.007/4
CABLE AS	SEMBLY,	PART OF 1	NTERCONNECTIO	N, 40-way		4502-1064.006/4
CABLE AS	SEMBLY,	DIVIDER 1	TO DIVIDER 2	, 14-way		4502-1067.016/4
CABLE AS	SEMBLY,	MATCHING	UNIT TO PRE-A	MPLIFIER, 14-v	iay	4502-1067.029/4
CABLE AS	SEMBLY,	and SYN.	G CALIBRATION AMP., and CAL 2 and 4.01MHz		\L	4502-1069.001/3
CABLE AS	SEMBLY,	from SOC	ET 22 on RECONNECTION, CO	AR PANEL AXIAL		4502-1071.001/4
CABLE AS	SEMBLY,		ET 20 on RE			4502-1072.001/4
CABLE AS	SEMBLY,	24Hz FILT	ER TO I/F AMP	LIFIER, COAXIA	L	4502-1051.019/4
CABLE AS	SEMBLY,	PSE-31 TO	METER, COAXI	AL		4502-1051.022/4
CABLE AS	SEMBLY,	CALIBRATI	ON TO MATCHIN	G UNIT, COAXIA with Fe BRA		4502-1053.004/4
cable as	SEMBLY,	24Hz FILT	ER TO MIXER 2	, COAXIAL		4502-1054.016/4
CABLE AS	sembly,	MIXER 1 1	O MIXER 2, CO	AXIAL		4502-1054.029/4
CABLE AS	SEMBLY,	PSE-31 TO	CALIBRATION,	COAXIAL with Fe BEA	D\$	4502-1056.001/4
CABLE AS	SEMBLY,	METER TO	PRE-AMPLIFIER	, COAXIAL		4502-1057.000/4
CABLE AS	SEMBLY,	4MHz FILT	ER TO INTERCO	NNECTION, COAX	IAL	4502-1058.009/4
CABLE AS	SEMBLY,	POWER SUP	PLY TO MIXER	2 (+10V)		4502-1073.000/4
CABLE AS	Senbi.Y,		PLY TO REST OF	F INSTRUMENT		4502-1065.005/1 4502-0146.006/3
SPARES						
VALUE		RAT1NG		TYPE		PART NO.
ro.315A		250V	PUSELINK, BE 2080A/0.315A			0001-0020.601/

VALUE	RATING	TYPE	PART NO.
TO.315A	250V	PUSELINK, BELLING-LEE 2080A/0.315A ANTI-SURGE	0001-0020.601/-
TlA	BATT.	FUSE LINK, ANTI-SURGE	0001-0020.711/-
		BATTERIES, BEREC NCC400 SIZE D (12 used)	0000-7594.849/-

## ACCESSORIES

CABLE ASSEMBLY, MAINS 2 metres long, 3-core L1949 BELLING-LEE



12) -404B 161 4 - 4-62 MHz 21) INCORPORATING ASSEMBLY A&O
13) SEL: 200Hz - 620 kHz 17) 4 01 MHz 22) INCORPORATING ASSEMBLY A44
WIDE BAND: 10KHz. 18 200 Hz - 620 kHz 23) SK9 REPRESENTED BY PLATED THRO HOLES ONLY.

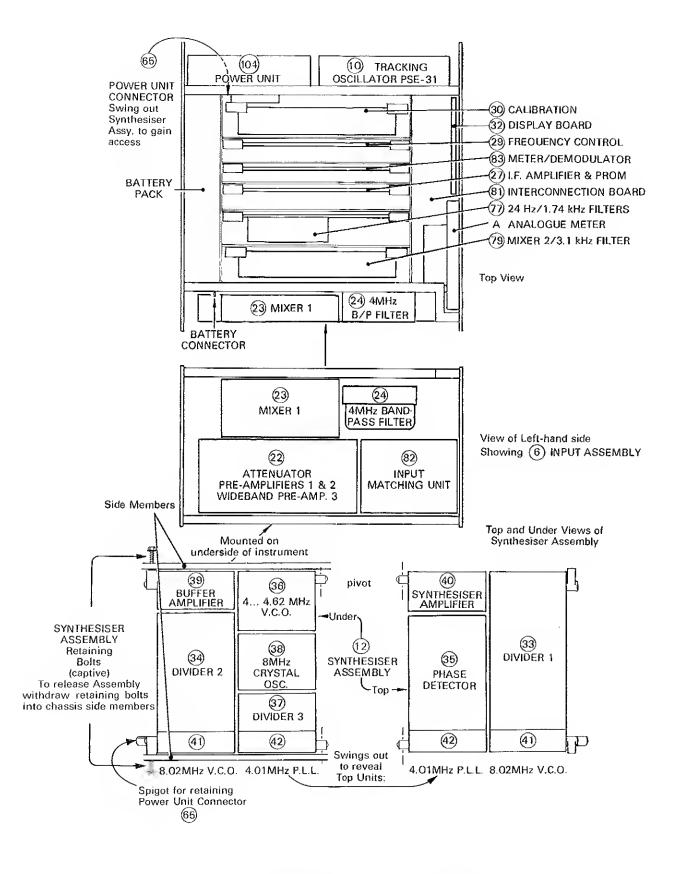


Fig. 4 Location of units within Instrument

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Fig. 5 Circuit Diagram, Power Supply 15) CUTPUT LEVEL MONITOR FACILITY
16) ON FRONT PANEL MAINS ON
17) ON BACK PANEL
18) BATTERY BOX
19) FROM METER BOARD VIA INTERCONNECTION BOARD.
20) 10 INTERCONNECTION BOARD PIN 23
26) 220Y-315mA 115Y-630mA
27) FINE LEVEL CONTROL
28) RESISTORS NOT FITTED ON STO SERIES
29) COMED DISCRETORES SWITCH 29 COVER OPERATED OFF SWITCH ASSEMBLY A104 POWER SUPPLY VALUE TOL.±% REF. C9 2200µ C10 2200µ Sl T1PLl FS1 FS2 A84

MEAS CHARGE OFF // MAINS ON POWER SUPPLY 84 P.C.B. ASSEMBLY A84 POWER SUPPLY COMPONENT PREFIX 84 UNIT A104 COMPONENT PREFIX 104 R6 22X1 R23 R3 3R9 104 C1 220n F\$1 26) ₹1 PL1-L R16 ( 220 P13. 1 7 D9 D10 R4 220n R22 R9 18] BATTERY CHARGER 17) 0 TYPE PART NO. VALUE TOL. ± % RATING TYPE PART NO. REF. RV2 ELEC. 0000-7646.289/-0W35 0001-0002.975/-R23 90k9 0001-0000.676/-ELEC. 0000-7646.289/-0W35 R24 200R SELECTOR SWITCH RV1 5k 20 OW5 Lin. Variable 0000-7574.283/-0000-7574.283/-115V/220V 0000-7598.706/-5k 20 OW5 Lin. Variable RV2 MAINS TRANSFORMER 4502-1308.005/4 100V 0001-0010.404/-

0001-0010.404/-

0001-0041.716/-

0001-0004.685/-

0001-0041.716/-

0001-0010.365/-

0001-0006.418/-

RATING

40V

40V

250V

115V

Batt.

PLUC, MAINS INPUT

FUSELINK, T 315mA

FUSELINK, T 630mA

P.C.B. POWER SUPPLY

FUSELINK, T 1A

UNIT

						С8	6 µ8	35V	Elec.	0001-0040.856/-
ASSE	MBLY P.O	C.B. A84,	used on	A104 POWER	SUPPLY	TR1			BDX 33B	0000-7591.059/-
	****	moz 1 %	D.I.W.C.V.G	au An	DADM NO	TR2			BC109	0000-7602.029/-
REF.	VALUE	TOL. ± %	RATING	TYPE	PART NO.	TR3			BDX 33B	0000-7591.059/-
n.1	11.01	1	0w35	ME	0001-0001.277/-	TR4			BC109	0000-7602.029/-
R1	1k21	1		MF	•	TR5			BC109	0000-7602.029/-
R2	2 k	1	0w35	MF,	0001-0001.455/-	TR6			вС109	0000-7602.029/-
R3	3R9	5	1W6	w/w	0000-7601.583/-	TR7			2N2905	0001-0017.287/-
R4	2k	1	0w35	MF	0001-0001.455/-	TR8			MJE 3055	0001-0017.148/-
R5	3 <b>R</b> 3	5	1W6	W/W	0000-7601.570/-	Đ1			1N4004	0000-7605.026/-
R6	22k1	1	0W35	MF	0001-0002.441/-				1N4004	0000-7605.026/-
R7	33k2	1	OW35	MF	0001-0002.603/-	D2			1N4004	0000-7605.026/-
R8	12k1	1	0W35	MF	0001-0002.218/-	ъ3				
R9	15k	1	0w35	MF	0001-0002.289/-	Đ4			1N4004	0000-7605.026/-
R10	182k	1	0w35	MF	0001-0003.165/-	Ð5			1 N4448	0001-0018.493/-
R11	10k	1	0w35	MF	0001-0002.137/-	Ð6			BZY88/C16	0001-0019.159/-
R12	4k75	1	0w35	MF	0001-0001.824/-	Đ7			1N4448	0001-0018.493/-
R13	3k92	1	0W35	MF	0001-0001.730/-	Ð8			184004	0000-7605.026/-
					0001-0000.074/-	ъ9			1N4448	0001-0018.493/-
R14	10R	1	0w35	MF	-	D10			1N4448	0001-0018.493/-
R15	12k1	1	0w35	MF	0001-0002.218/-	D11			BZY88/C24	0001-0019.201/-
R16	56R2	1	0w35	MF	0001-0000.346/-	D12		•	ZPD 5.1	000L-0018.833/-
R17	OR82	5	2W	w/w	0000-7601.596/-	D13			1 <b>N4448</b>	0001-0018.493/-
R18	10R	1	0W35	MF	0001-0000.074/-	IC1			μ <b>Α</b> 723	0001-0015.852/-
R19	1k82	1	0w35	MP	0001-0001.413/-					2-WAY 0000-7606.054/-
R20	1k54	1	OW35	MF	0001-0001.361/-	SK1				
R21	1k1	1	0w35	MF	0001-0001.235/-	A84			P.C.B. POWER SUPP	
R22	4k42	1	0w35	MF	0001-0001.785/-				UNIT (less compon	ents) 4502-0284.007/3

Ç1

C2

С3

C4

C5

C6

C7

0001-0033.261/-

0001-0020.601/-

0001-0020.711/-

4502-1084.002/3

220n

220n

22 μ

680p

22 µ

100n

22n

10

10

10

100V

40V

63V

40V

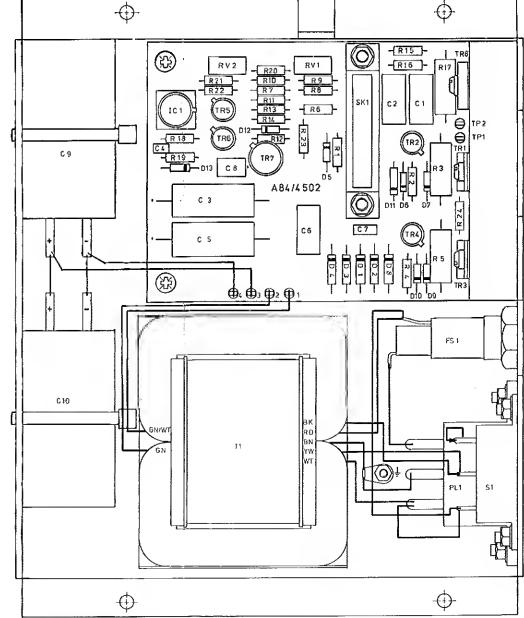
1007

40V

Elec.

Çer.

Elec.



SK1"E

SK1~2

SK 1~4

те1 О

CHECK BATT

13-5~30V / 10 mA

+ 10 V / O-5A

13 - 16 V/O.1m A DS (81)

(83)

(81)

CIRCUIT REFERENCES TO BE PRECEDED BY BOARO ASSEMBLY NUMBER e.g.

IC1 BECOMES IC8401 T1 -- 11- T10401

Component Layout, Fig. 6 Power Supply

ASSEMBLY FOR P.C.B. A82 MATCHING UNIT

2k67

0W35

0001-0001.578/-

R113

56k2

1

0W35

0001-0002.797/-

TR1

TOOLI	DHI POR		AUL IIII	CHING ONLI													
REF.	VALUE	TOL. ±%	RATING	TYPE	PART NO.	REF.	VALUE	TOL. ± %	RATING	TYPE	PART NO.	REF.	VALUE	TOL. ± %	RAT1NG	ТҮРЕ	PART NO.
.1*	150R	0.25	1W	MF	0000-7549.603/-	R35	324R	1	0W35	MF	0001-0000.825/-	R114	22k1	1	01/35	MF	0001-0002.441/
2	150R	0.25	1W	MF	0000-7549.603/-	R36	301R	1	0W35	MF	0001-0000.799/-	R115	56k2	1	0W35	MF	0001-0002.797/
	604R	0.25	1W	MF	0000-7511.262/-	R37	71R5	1	0W35	MF	0001-0000.443/-	R116	56k2	1	0W35	MF	0001-0002.797/
	523R	1	0W35	MF	0001-0000.993/-	R38	15 <b>0</b> R	1	0W35	MF	0001-0000.618/-	R117	22k1	1	0W35	ЖF	0001-0002.441/
	75R5	0.1	0W125	MF	0000-7601.567/-	R39	619R	1	0W35	MF	0001-0001.044/-	R118	56k2	1	0W35	MF	0001-0002.797
	8k25	2	0W35	MF	0001-0002.056/-	R <b>40</b>	5k62	1	OW35	MF	0001-0001.895/-	R119	22k1	1	0W35	MF	0001-0002.441/
ŧ	152R	0.25	1W	MF	0000-7549.616/-	R41	4k7	2	0W25	МF	0001-0001.811/-	R120	56k2	1	0.035	MF	0001-0002.797
	432R	1	0W35	MF	0001-0000.935/-	R42	22k1	1	0W35	МF	0001-0002.441/-	R121	22kl	1	0W35	ИF	0001-0002.441
09	10k	1	0W35	MF	0001-0002.137/-	R43	100R	1	0W35	MF	0001-0000.537/~	R122	9 x 100k	2	OW2	RESISTOR PACK	0000-7604.441
10	56k2	2	0W35	MF	0001-0002.797/-	R50	22k1	1	OW35	HF	0001-0002.441/-	R123	1 k5	1	0W35	MF	0001-0001.358
1	500R	20	OW5	Var.	0000-7601.651/-	R51	33k	2	0W25	MF	4980-0000.009/-	C5	4p7	0p25	63	Cer.	0001-0004.083
	47u	+50~10%	V 11.3	B42190-C8476-T	0001-7520.460/-	R52	68R1	1	0W35	ME	0001-0000.427/-	C6	15p	2	63	Cer.	0001-0004.229
	100p	2		B42170 Q0470 I	0001-0004.517/-	R53	3k16	1	0W35	MF	0001-0001.646/-	c7	4p7	0p25	63	Cer.	0001-0004.083
0	10n	10	40V	Cer.	0001-0004.818/-	R54	1k65	1	0W35	H	0001-0059.232/-	c8	22p	2	63	Cer.	0001-0004.290
1	lu	20	35V	Tant.	0001-0004.818/-	R55	330R	2	0W25	HF	0001-0033.2327-	C10	220n	10	100	PE	0001-0010.404
20	10	20	234		•						0001-0000.427/-	C11	33p	2	63	Cer.	0001-0004.342
				BCY71	0001-0016.534/-	R56	68R1	1	0W35	* MF	0001-0000.427/-	C12	33µ	20	10	Tant.	0001-0040.99
2				1N914 or 1N4448	0001-0018.493/-	R57	100R	1	0W35	MF	· ·			20	63	Cer.	0001-0004.29
l 1	0 10			1N914 or 1N4448	0001-0018.493/-	R58	845R	1	0W35	ЯF	0001-0018.587/-	C13	22p 33p	2	63	Cer.	0001-0004.23
	2 - 18p			809-05003	0000-7598.463/-	R <b>5</b> 9	1k1	1	0135	ЯF	0001-0001.235/-	C14	-				0001-00041.20
to S	6			INPUT IMPEDANCE		R60	68R1	1	0135	At.	0001-0000.427/-	C15	220µ	20	10	Tant.	0001-0041.20
				SWITCHING	4502-1089-007/4	R61	2k67	1	OW35	HF	0001-0001.578/-	C16	330н	20	6.3	Tant.	
	470 µН			INDUCTOR	0000-7598.683/~	R6 2	681R	1	OW35	ЯF	0001-0001.086/-	C17	68p	2	63	Cer.	0001-0004.45
				transformer	4502-1304.009/4	R63	4k7	2	0W25	ЯF	0001-0001.811/-	C18	220p	2	63	Çer.	0001-0004.60
				SOCKET, O.I.L. 14-W	AY 0000-7518.388/~	R64	68RI	1	OW35	МF	0001-0000.427/-	C19	10n	20	100	Cer.	0001-0004.81
				RSD - 12V	0001-0069.620/-	R65	1k0	ı	0W35	ME	0001-0001.219/-	C20	1μ	20	35	Tant.	0001-0040.70
				RSO - 12V	0001-0069.620/-	R66	750R	1	0W35	af	0001-0001.125/-	C30	1μ	20	35	Tant.	0001-0040.70
				P.C.B., MATCHING UN	IT 4502-0260.005/3	R67	100R	1	0W35	MF	0001-0000.537/-	C31	33p	2	63	Cer.	0001-0004.34
* Sh	own as RO60	01 and R060	respecti	vely on the circuit d	iagram.	R68	470R	2	0W25	# MF	0000-7560.608/-	<b>C3</b> 2	33μ	20	10	Tant.	0001-0040.995
				LIFIER & ATTEN		R69	732R	1	0W35	11P	0001-0001.112/-	C33	22p	2	63	Cer.	0001-0004.290
OLI.	IDDI 140	·D· ALL	I KE MH	DIFIER & MILER	JAION	R70	402R	1	OW35	₩F	0001-0000.906/-	C3 4	33p	2	63	Cer.	0001-0004.34
	VALUE	TOL. ± %	RATING	TYPE	PART NO.	R71	243R	2	0W25	ИF	0001-0000.731/-	C35	100 µ	20	10	Tant.	0001-0041.15
						R72	68R1	1	0W35	ЯF	0001-0000.427/-	C36	330 µ	20	6.3	Tent.	0001-0041.21
	9k	0.1	0W125	MF	0000-7601.512/-	R73	2k21	1	0W35	MF	0001-0001.497/-	C37	47 p	2	63	Cer.	0001-0004.39
	1k11	0.1	0W125	MF	0000-7601.402/-	R75	2k0	1	0W35	ИF	0001-0001.455/-	¢38	82p	2	63	Cer.	0001-0004.48
	9k	0.1	0W125	MF	0000-7601.512/-	R80	22k1	i	OU35	MF	0001-0002.441/-	C40	47p	2	63	Cer.	0001-0004.39
ı	1k11	0.1	OW125	MF	0000-7601.402/~	R81	15k	1	OW35	MF	0001-0002.289/-	C41	47 p	2	63	Cer.	0001-0004.39
	11k	0.1	0W125	MF	0000-7598.277/-	R8 2	15k	1	01/35	ЖF	0001-0002.289/-	C42	100n	20	100	Cer.	0000~7598.45
	100k	1	0N35	MF	0001-0002.991/-	R83	68R1	ŧ	0ฬ35	MF	0001-0000.427/-	C43	100n	20	100	Cer.	0000-7598.45
	22k1	1	01/35	MF	0001-0002.441/-	R8 4	68R1	1	0W35	MF	0001-0000.427/-	C44	100n	20	100	Cer.	0000-7598.45
	33k	2	0W25	MF	4980-0000.009/-	R85	698R	1	0W35	МF	0001-0001.099/-	C45	100n	20	100	Cer.	0000-7598.45
	68R1	1	0W35	ИЕ	0001-0000.427/-	R86	75R	1	0W35	aF	0001-0000.456/-	C46	100n	20	100	Cer.	0000-7598.45
	162R	1	0W35	MF	0001-0003.958/-			2			0000-7601.389/-	C47	100n	20	100	Cer.	0000-7598.45
	3k16	1	0W35	MF	0001-0001.646/-	R87	330R	2	0W25	MF MF	0001-0000.427/-		6µ8	20	6.3	Tant.	0001-0040.83
	1k65	1				R88	68R1	1	0W35	ЖF		C50					0001-0040.70
			0W35	ЖF	0001-0059.232/-	R89	18k	2	0W25	MF	0001-0027.484/-	C51	łμ	20	35	Tant.	
	68R1	1	01/35	MF	0001-0000.427/-	R90	47k	2	0W25	MF	0000-7558.393/-	C52	22 <b>0</b> µ	20	10	Tant.	0001-0041.20
	100R	1	0W35	ЯF	0001-0000.537/-	R91	47R	2	0W25	MF	0000-7601.321/-	C53	lμ	20	35	Tant.	0001-0040.70
	845R	ŀ	0W35	MF	0001-0017.587/-	R92	43 <b>2</b> R	1	0W35	MF	0001-0000.935/-	c54	1μ	20	35	Tant.	0001-0040.70
	1kl	1	0W35	MF	0001-0001.235/-	R94	33k	2	0W25	MF	4980-0000.009/-	C55	220µ	20	10	Tant.	0001-0041.20
	68R1	1	0W35	MF	0001-0000.427/-	R <b>9</b> 5	22k1	1	0W35	МF	0001-0002.441/-	C60	100n	20	100	Cer.	0000-7598.45
	2k67	1	0W35	MF	0001-0001.578/-	R <b>9</b> 6	68R1	1	0W35	MF	0001-0000.427/-	C82	10 n	20	100	Cer.	0001-0004.81
	681R	1	0W35	MF	0001-0001.086/-	R97	1k5	1	OW35	MF	0001-0001.358/-	C83	10n	20	100	Cer.	0001-0004.8
	4k7	2	OW25	MF	0001-0000.811/-	R98	75R	1	0W35	MF	0001-0000.456/-	C84	10n	20	100	Cer.	0001-0004.81
	68R1	1	0W35	MF	0001-0000.427/-	R99	4k7	2	0W25	MF	0001-0001.811/-	C85	10n	20	100	Cer.	0001-0004.81
	619R	1	0W35	иг	0001-0001.044/-	R100	22R1	1	OW35	MF	0001-0000.184/-	C86	10n	20	100	Cer.	0001-0004.81
	750ส	ı	0W35	MF	0001-0001.125/-	R102	33R	2	0W25	МF	0000-7601.347/-	C87	10p	2	63	Cer.	0001-0004.17
	221R	1	0W35	ИF	0001-0000.715/-	R112	22k1	1	0W35	MF	. 0001-0002.441/-	C8 8	10p 1μ	20	35	Tant.	0001-0040.70
	T 1/	•	31133	612	2021 20001/13/-	KIIZ	2241		CNA	ret.	0001-0002.441/-	-UO	Lμ	20		2822604	49750000 00

4975-0000.007/-

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